Title (en)

COMMUNICATION RESILIENCE IN A NETWORK

Title (de)

KOMMUNIKATIONSSICHERHEIT IN EINEM NETZWERK

Title (fr)

TOLÉRANCE DE DÉFAILLANCE DE COMMUNICATION DANS UN RÉSEAU

Publication

EP 4275339 A1 20231115 (EN)

Application

EP 22705921 A 20220106

Priority

- US 202163134517 P 20210106
- US 2022011440 W 20220106

Abstract (en)

[origin: WO2022150479A1] Methods and systems for resilient network communication are provided. In one aspect, a network includes multiple edge network elements, core network elements, and off-network network elements. Each network element has multiple ports. Communication paths exist between edge network elements, traversing core network elements. A maintenance domain maintains communication resiliency in the network through maintenance domain entities that detect network communication faults. Maintenance domain entities are associated with ports of edge network elements. Proxy maintenance domain entities, associated with unused ports of core network elements or edge network elements allow for network extensibility as additional network elements may be provisioned in the network over time.

IPC 8 full level

H04L 41/0806 (2022.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2022150479A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

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KH MA MD TN

DOCDB simple family (publication)

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DOCDB simple family (application)

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